

June 5, 2023

Docket No.: 52-026

ND-23-0423
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC Item 3.3.00.05b [Index Number 785]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.3.00.05b [Index Number 785]. An inspection of the boundaries between the rooms identified in VEGP Unit 4 Combined License (COL) Appendix C Table 3.3-2 was performed to demonstrate that the boundaries between these rooms were designed and constructed to prevent flooding of rooms that contain safety-related equipment. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (NEI) 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52", which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,



Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 3.3.00.05b [Index Number 785]

JMC/LH/sfr

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cc: Regional Administrator, Region II
Director, Office of Nuclear Reactor Regulation (NRR)
Director, Vogtle Project Office NRR
Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company
ND-23-0423
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC Item 3.3.00.05b [Index Number 785]**

ITAAC Statement

Design Commitment

5.b) The boundaries between rooms identified in Table 3.3-2 of the auxiliary building are designed to prevent flooding of rooms that contain safety-related equipment.

Inspections/Tests/Analyses

An inspection of the auxiliary building rooms will be performed.

Acceptance Criteria

A report exists that confirms floors and walls as identified on Table 3.3-2 have provisions to prevent flooding between rooms up to the maximum flood levels for each room defined in Table 3.3-2.

ITAAC Determination Basis

An inspection of the boundaries between the rooms identified in Vogtle Electric Generating Plant (VEGP) Unit 4 Combined License (COL) Appendix C Table 3.3-2 (Attachment A), was performed to demonstrate that the boundaries between these rooms are designed and were constructed to prevent flooding of rooms that contain safety-related equipment.

Inspections were performed of auxiliary building rooms to demonstrate that floors and walls as identified in Table 3.3-2 have provisions to prevent flooding between rooms up to the maximum flood levels for each room defined in COL Appendix C Table 3.3-2 (Attachment A). An inspection plan was prepared to identify all openings and penetrations on the floors and walls up to the maximum flood levels of the rooms. Each as-built opening or penetration was observed and measured to confirm being below the corresponding maximum flood level and was inspected to ensure that the openings and penetrations were sealed as specified in the design documents. A final walkdown of the floors and walls was performed to ensure that all openings and penetrations were identified and inspected.

The inspection plan and results of the visual inspection of the floors and walls are documented in the Unit 4 Principal Closure Document (PCD) (Reference 1), and confirms floors and walls as identified on COL Appendix C Table 3.3-2 have provisions to prevent flooding between rooms up to the maximum flood levels for each room defined in the COL Appendix C Table 3.3-2 (Attachment A).

Reference 1 is available for NRC inspection as part of the Unit 4 ITAAC 3.3.00.05b Completion Package (Reference 2).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 3.3.00.05b (Reference 2) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.3.00.05b was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV4-1000-ITR-800785, Rev. 0, "Unit 4 Inspections of Aux Bldg. Safety-Related Equipment Rooms Flood Prevention: ITAAC 3.3.00.05b, NRC Index Number: 785"
2. 3.3.00.05b-U4-CP-Rev0, ITAAC Completion Package
3. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"

Attachment A
COL Appendix C Table 3.3-2

Table 3.3-2 Nuclear Island Building Room Boundaries Required to Have Flood Barrier Floors and Walls		
Boundary/ Maximum Flood Level (inches)	Between Room Number to Room Number	
	Room with Postulated Flooding Source	Adjacent Room
Floor/36	12306	12211
Floor/3	12303	12203/12207
Floor/3	12313	12203/12207
Floor/1	12300	12201/12202/12207 12203/12204/12205
Floor/3	12312	12212
Wall/36	12306	12305
Floor/1	12401	12301/12302/12303 12312/12313
Wall/1	12401	12411/12412
Floor/36	12404	12304
Floor/4	12405	12305
Floor/36	12406	12306
Wall/36	12404	12421
Wall/30	12452	12421
Floor/3	12501	12401/12411/12412
Floor/3	12555	12421/12423/12422
Wall/168	12156	12111/12112
Wall/76.5	12158	12111
Wall/132	12258	12211/12212